





Medical Waterproof Foot Switch

- ◆ Flame retardant reinforced engineering plastic shell, excellent material selection, novel and chic modeling, high structural strength, chemical resistance, aging resistance, impact resistance.
- Embedded marking plate, and the use function codes can be easily marked and are not easy to fall off and get fade.
- ◆ Built-in switch VV15F-01C basic type microswitch, silver alloy contacts plated with 24K gold, CE, UL, C-UL, VDE certified.
- ◆ Fatigue-free back pedal mechanism for long-time operation
- Oil resistance, waterproof and dust-proof up to IP68, in accordance with IEC/EN60529 standard
- ♦ RVV 0.5mm²x2 core x 2m cable is standard.

General characteristics

Base: PC FI Converter plastics	Flame retardant reinforced engineering plastic lame retardant reinforced engineering plastics Block: PC Flame retardant reinforced engineerin Plate: Stainless Steel
Contact resistance	Below 50mΩ (first time)
Insulation resistance	Above 100M Ω , 500VDC test
Dielectric	2000VAC 1 minute
Lifespan	Mechanical: Min. 1 million Electrical: Min. 100, 000
Ambient temperature	-25°C∼+70°C (no condensation, no icing)
Ambient Humidity	45%~85%RH
IP rating	IP X8 IEC/EN60529
Standard Certification	(€ IEC/EN60947-5-1 ((() GB14048.5

Model Namino

HRF-M5[1][2]-[3]-[4]-[5]

Forms of combination

None	Single pedal (1a)
2	2-pedals (2a)
3	3-pedals (2a)

4 Connector

None	No connector (standard)
Α	6.35mm audio connector (standard),
	can be customized with 3.5mm
D	DB9 connector
U	LISB connector

2 Pedal Color

Υ	Yellow (standard color)
R	Red
В	Blue
W	White
LY	Light yellow (white base)
LB	Light blue (white base)

3 Link Block

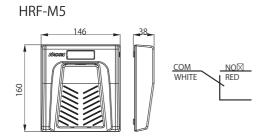
		5.0 6.1		
	None	Standard base		
	J Standard blue link block			
	* LY, LB type use white color link block			
5 Cable				

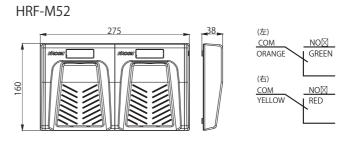
51 Cable

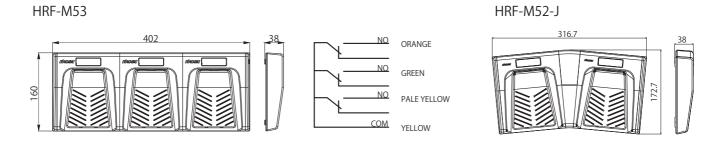
None	0.5mm ² ×2m (standard)
3	0.5mm ² X 3m
5	0.5mm ² X 5m

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Dimension and Circuit







Specification Type

Part number	Typo	Built-in switch			Cable	Operation	Weight
rait number	Type	Part number	Contact form	Rated current	Capie	force	(kg)
HRF-M5*	Standard		1a		RVV 0.5 mm $^2 \times 2$ cores $\times 2$ m grey		0.623
HRF-M52*	2 pedals (standard)		1a each		RVV 0.5mm ² ×4cores×2m grey		1.049
HRF-M53*	3 pedals (standard) 6.3mm audio connector (customized) 24K gold plated contacts waterproof micro switch USB connector		1a each		RVV $0.5 \text{mm}^2 \times 4 \text{cores} \times 2 \text{m}$ grey		1.786
HRF-M5*-A		waterproof	1a	1a each 1a 8A 250VAC Resistandce	Per customer requirements	≤10.5	
HRF-M52*-A			1a each				
HRF-M5*-D			1a				
HRF-M52*-D			1a each				
HRF-M53*-D			1a each				
HRF-M5*-U			1a				
HRF-M52*-U	(standard)		1a each				
HRF-M53*-U	USB connector (customized)		1a each				



- Casting aluminum alloy shell, surface baking plastic treatment, environmentally resistant, wear-resistant, aging-resistant.
- Spring-loaded cable locks are provided at the cable lead-out end, with high tensile strength and excellent protective performance.
- Various combinations to choose from. Analog switches dedicated to signal control. Waterproof microswitches - protection class up to IP67. A variety of interfaces to choose from: DB9, USB, aviation plug and

other connectors The wireless model is installed with a convenient battery compartment, which saves the customer's maintenance time.

- Foot switch shell tender currant color, TIFFANY blue base medical off-white (other colors can be customized)
- ◆ Built-in waterproof microswitch, CE, UL, COC certified, contacts plated with 24K gold treatment, high load capacity, high contact reliability.
- ◆ Standard configuration RVB 0.5mm2 x 5 cores parallel well wire x 2m(black) cable



	Micro switch	Anolog switch	Wireless switch
Material	Housing: high strength engineering plasti	ic. Base: die-cast aluminum alloy	
Contact resistance	$<$ 25m Ω (first time)		
Electrical insulationresistance	Over 100MΩ 500VDC		
Dielectric	1 minute duration between charged bodies 1 minute between uncharged bodies	/	1 minute duration between charged bodies 1 minute between uncharged bodies
Maximum switching voltage	125V/250V	0-5V 0-10V	4.5-10V
Maximum switching current	5A/2A	0-20mA 4-20mA	≤15mA
Mechanical lifespan	Over 1 million times		
Electrical lifespan	Over 100000 times	Over 1 million times	Over 100000 times
Operation force	25N		
Ambient temperature	-25°C~+70°C (No condensation, no icing)		
Ambient humidity	45%~85%RH		
IP rating	IP X7 IEC/EN60529		
Certificate	(€ IEC/EN60947-5-1 ((GB14048.5 RC	OSH YY1057-2016	

HRF-123456-78

1 Model

HD6	Metal base
HD6P	Plastic base
M3	No base

2 Forms of combination

None	Single pedal base
2	2-pedals base

4 Micro motion mode

None	Default waterproof micro switch
М	Analog switch
Z	Wireless switch

None	Single pedal base
2	2-pedals base

5 Contact form

None	1NO
W	2NO

3 Pedal color

Υ	Yellow (standard)
В	Blue
YB	Light yellow/Tiffany blue (left/right)
K	Black
C	Grey

Other colors need to be customized, standard with light yellow

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6 Push button form

None	Standard w/ push button
1	Left push button
2	Mid push button
3	Right push button
4	Left + mid push button
5	Right + mid push button
6	Left + right push button
7	Left + mid + right push button

7 Connector

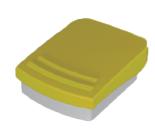
None	Standard 2m cable
Р	Aviation connector
D	DB9 connector
U	USB connector

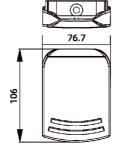
8 Customization

None Any letter or number

Dimension and Circuit

HRF-M3

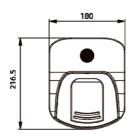






HRF-HD6

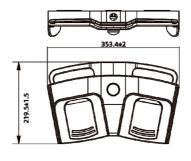






HRF-HD62







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Medical Waterproof Foot Switch

- Unique warping board type double pedal structure, used in up and down, forward and reverse: forward and backward,inverted and other motion control systems, can effectively prevent misoperation, to ensure safety.
- Flame retardant reinforced engineering plastic shell, high structural strength, aging resistance, impact resistance, chemical resistance.
- Built-in VV15F-01C basic microswitch, silver alloy contacts plated with 24K gold, CE,UL,C-UL,VDE certified.
- The built-in microswitch is completely sealed inside the product, so it is oil-proof, water-proof and dust-proof up to IP68.
- ◆ Standardly equipped with RVV 0.5mm²x4 cores x2m cable.



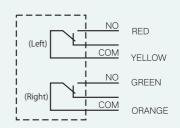
General Characteristics

Material	Flame retardant reinforced engineering plastic nylon	
Contact resistance	Below $50m\Omega$ (first time)	
Insulation resistance	Above 100M Ω , 500VDC test	
Dielectric	2000VAC 1 minute	
Mechanical lifespan	Min. 1 million	
Electrical lifespan	Min. 100, 000	
Ambient temperature	-25°C~+70°C (no condensation, no icing)	
Ambient Humidity	45%~85%RH	
IP rating	IP X8	
Standard Certification	(€ IEC/EN60947-5-1 @ GB14048.5 RoSH YY1057-2016	

Dimension and Circuit







Model Namino

HRF-M6-11-2 Medical Two Pedals Interlock Foot Switch

Connector

None	Standard 2m cable
Α	6.35mm audio connector (standard), can be customized with 3.5mm
D	DB9 connector
U	USB connector

2 Cable

None	0.5mm ² x 2m (standard)
3	0.5mm ² x 3m
5	0.5mm ² x 5m

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Medical Waterproof Foot Switch

- Flame retardant reinforced engineering plastic shell, high structural strength, aging resistance, impact resistance, chemical resistance.
- With embedded marking board, the function codes can be easily marked and are not easy to peel off or lose color.
- ◆ Fatigue-free back pedal structure for long time operation.
- Oil-, water-, and dust-resistant up to IP68 in accordance with IEC/EN60529.
- ◆ Standardly equipped with RVV 0.5mm²x 2 cores x2m cable.



General Characteristics

Material	Flame retardant reinforced engineering plastic nylon
Contact resistance	Below 50mΩ (first time)
Insulation resistance	Above 100MΩ, 500VDC test
Dielectric	2000VAC 1 minute
Mechanical lifespan	Min. 1 million
Electrical lifespan	Min. 100, 000
Ambient temperature	-25°C~+70°C (no condensation, no icing)
Ambient Humidity	45%~85%RH
IP rating	IP X8
Standard Certification	(¢ IEC/EN60947-5-1 @ GB14048.5 RoSH YY1057-2016

Model Naming

HRF-M8112-3-4 Medical Waterproof Foot Switch

1 Connector

None	Single pedal (1a, 2 cores cable)
2	2-pedals (2a, 4 cores cable)
÷	i i
6	6-pedals

4 Cable

None	0.5mm ² ×2m(standard)	
2	0.5mm ² ×3m	
3	0.5mm ² ×5m	

2 Pedal color

Υ	Yellow (standard)
R	Red
Α	Orange
G	Green
В	Blue
W	White
K	Black

%standard color: Yellow/blue (left/right)

3 Connector

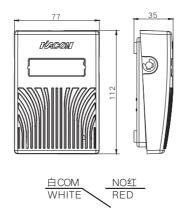
None	No connector (standard)
Α	6.35mm audio connector (standard
	can be customized with 3.5mm
D	DB9 connector
U	USB connector

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Dimension and Circuit

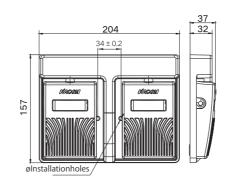
HRF-M8 (standard)

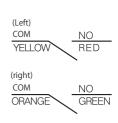




HRF-M82 (2-pedals)







Specification type

Model specifications	Form	Built-in switch			Cable	Operation force	Woight (VC)
		Part number	Contact form	Rated current	Cable	Operation force	Weight (KG)
HRF-M8*	Standard	24K gold plated contacts waterproof micro switch	1a		RVV 0.5 mm $^2 \times 2$ cores \times 2m grey		0.359
HRF-M82*	2-pedals (standard)		1a each		RVV 0.5mm ² ×4cores× 2m grey		1.290
HRF-M8*-A	6.3mm audio connector (customized)		1a		Per customer requirements		
HRF-M82*-A			1a each				
HRF-M8*-D	DB9 connector (customized)		1a				
HRF-M82*-D			1a each				
HRF-M8*-U	USB connector (customized)		1a				
HRF-M82*-U			1a each				